

4/22/1 DIALOG(R)File 351:Derwent WPI (c) 2003 Thomson Derwent. All rts. reserv.

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Throughflow expansion vessel for shower hot water supply -
has two connecting nipples in housing for connection to piping and
cylindrical membrane with end edges which locates on the housing sealing
around connecting nipples

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Number of Countries: 002 Number of Patents: 002

Basic Patent:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE19701577	A1	19970724	97DE-1001577	A	19970117	199735 B

Priority Applications (No Type Date): 96NL-1002144 A 19960122

Abstract (Basic): DE 19701577 A

A closed gas chamber is formed between the housing and the membrane and a fluid chamber inside the membrane. A throughflow passage ensures, within the membrane, an open fluid connection between the two connecting nipples when the pressure in the fluid chamber is lower than that in the gas chamber.

The throughflow passage is formed by reinforcement ribs (23-26) extending in the longitudinal direction of the membrane. These ribs are U-shaped in cross-section. Each connecting nipple within the housing has a radial flange, provided with an all-round groove for accommodation of an end edge of the membrane (9).

ADVANTAGE - The throughflow expansion vessel obviates the problem with known such vessels which have a relatively large number of individual parts and their assembly is complicated, thus impeding automatic production.

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Title Terms: THROUGHFLOW; EXPAND; VESSEL; SHOWER; HOT; WATER; SUPPLY; TWO;
CONNECT; NIPPLE; HOUSING; CONNECT; PIPE; CYLINDER; MEMBRANE; END; EDGE;
LOCATE; HOUSING; SEAL; CONNECT; NIPPLE

Derwent Class: Q74

International Patent Class (Main): F24D-003/10; F24H-009/00

File Segment: EngPI

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